

Spool File For Oracle Students Trained by Mr.Sathish Yellanki

SQL> cl scr

SQL> DECLARE

2 V_Num NUMBER(2) := &GNum;

3 BEGIN

4 DBMS_OUTPUT.PUT_LINE('The Value of V_Num is : '||V_Num);

5 IF V_Num > 10

6 THEN

7 DBMS_OUTPUT.PUT_LINE('In The TRUE State Branch');

8 END IF;

9 DBMS_OUTPUT.PUT_LINE('Out Side The "IF" Control');

10 END;

11 /

Enter value for gnum: 15

The Value of V_Num is : 15

In The TRUE State Branch

Out Side The "IF" Control

PL/SQL procedure successfully completed.

SQL> /

Enter value for gnum: 5

The Value of V_Num is : 5

Out Side The "IF" Control

PL/SQL procedure successfully completed.

SQL> ED

Wrote file afiedt.buf

1 DECLARE

2 V_Num NUMBER(2) := &GNum;

3 BEGIN

4 DBMS_OUTPUT.PUT_LINE('The Value of V_Num is : '||V_Num);

5 IF V_Num > 10

6 THEN

7 DBMS_OUTPUT.PUT_LINE('In The TRUE State Branch');

8 ELSE

9 NULL;

10 END IF;

11 DBMS_OUTPUT.PUT_LINE('Out Side The "IF" Control');

12 END;

SQL> /

Enter value for gnum: 5

The Value of V_Num is : 5

Out Side The "IF" Control

PL/SQL procedure successfully completed.

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```
SQL> ED
Wrote file afiedt.buf
```

```
1  DECLARE
2  V_Num NUMBER(2) := &GNum;
3  BEGIN
4  DBMS_OUTPUT.PUT_LINE('The Value of V_Num is : '||V_Num);
5  IF V_Num > 10
6  THEN
7  DBMS_OUTPUT.PUT_LINE('In The TRUE State Branch');
8  ELSE
9  DBMS_OUTPUT.PUT_LINE('In The FALSE State Branch');
10 END IF;
11 DBMS_OUTPUT.PUT_LINE('Out Side The "IF" Control');
12* END;
SQL> /
```

```
Enter value for gnum: 15
The Value of V_Num is : 15
In The TRUE State Branch
Out Side The "IF" Control
```

PL/SQL procedure successfully completed.

```
SQL> /
Enter value for gnum: 5
The Value of V_Num is : 5
In The FALSE State Branch
Out Side The "IF" Control
```

PL/SQL procedure successfully completed.

```
SQL> ED
Wrote file afiedt.buf
```

```
1  DECLARE
2  V_Num NUMBER(2) := &GNum;
3  BEGIN
4  DBMS_OUTPUT.PUT_LINE('The Value of V_Num is : '||V_Num);
5  IF V_Num > 10
6  THEN
7  DBMS_OUTPUT.PUT_LINE('In The TRUE State Branch');
8  DBMS_OUTPUT.PUT_LINE('TRUE Responsibility 01');
9  DBMS_OUTPUT.PUT_LINE('TRUE Responsibility 02');
10 DBMS_OUTPUT.PUT_LINE('TRUE Responsibility 03');
11 ELSE
12 DBMS_OUTPUT.PUT_LINE('In The FALSE State Branch');
13 DBMS_OUTPUT.PUT_LINE('FALSE Responsibility 01');
```

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```
14 DBMS_OUTPUT.PUT_LINE('FALSE Responsibility 02');
15 DBMS_OUTPUT.PUT_LINE('FALSE Responsibility 03');
16 END IF;
17 DBMS_OUTPUT.PUT_LINE('Out Side The "IF" Control');
18* END;
```

SQL> /

```
Enter value for gnum: 15
The Value of V_Num is : 15
In The TRUE State Branch
TRUE Responsibility 01
TRUE Responsibility 02
TRUE Responsibility 03
Out Side The "IF" Control
```

PL/SQL procedure successfully completed.

SQL> /

```
Enter value for gnum: 5
The Value of V_Num is : 5
In The FALSE State Branch
FALSE Responsibility 01
FALSE Responsibility 02
FALSE Responsibility 03
Out Side The "IF" Control
```

PL/SQL procedure successfully completed.

SQL> cl scr

SQL> ED

Wrote file afiedt.buf

```
1 DECLARE
2 V_Number1 NUMBER := &Number1;
3 V_Number2 NUMBER := &Number2;
4 V_TEMP NUMBER;
5 BEGIN
6 DBMS_OUTPUT.PUT_LINE('Original V_Number1 = ' || V_NUMBER1);
7 DBMS_OUTPUT.PUT_LINE('Original V_Number2 = ' || V_Number2);
8 IF V_Number1 > V_Number2 THEN
9 V_TEMP := V_Number1;
10 V_Number1 := V_Number2;
11 V_Number2 := V_TEMP;
12 END IF;
13 DBMS_OUTPUT.PUT_LINE('Swapped V_Number1 = ' || V_NUMBER1);
14 DBMS_OUTPUT.PUT_LINE('Swapped V_Number2 = ' || V_Number2);
15* END;
SQL> /
```

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```
Enter value for number1: 10
Enter value for number2: 5
Original V_Number1 = 10
Original V_Number2 = 5
Swapped V_Number1 = 5
Swapped V_Number2 = 10
```

PL/SQL procedure successfully completed.

```
SQL> /
Enter value for number1: 5
Enter value for number2: 10
Original V_Number1 = 5
Original V_Number2 = 10
Swapped V_Number1 = 5
Swapped V_Number2 = 10
```

PL/SQL procedure successfully completed.

```
SQL> ED
Wrote file afiedt.buf
```

```
1  DECLARE
2  V_Number1 NUMBER := &Number1;
3  V_Number2 NUMBER := &Number2;
4  V_TEMP  NUMBER;
5  BEGIN
6  DBMS_OUTPUT.PUT_LINE('Original V_Number1 = '|| V_NUMBER1);
7  DBMS_OUTPUT.PUT_LINE('Original V_Number2 = '|| V_Number2);
8  IF V_Number1 > V_Number2 THEN
9  V_TEMP := V_Number1;
10 V_Number1 := V_Number2;
11 V_Number2 := V_TEMP;
12 END IF;
13 DBMS_OUTPUT.PUT_LINE('Original V_Number1 = '|| V_NUMBER1);
14 DBMS_OUTPUT.PUT_LINE('Original V_Number2 = '|| V_Number2);
15* END;
```

```
SQL> /
Enter value for number1: 5
Enter value for number2: 10
Original V_Number1 = 5
Original V_Number2 = 10
Original V_Number1 = 5
Original V_Number2 = 10
```

PL/SQL procedure successfully completed.

```
SQL> /
```

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```
Enter value for number1: 10
Enter value for number2: 5
Original V_Number1 = 10
Original V_Number2 = 5
Original V_Number1 = 5
Original V_Number2 = 10
```

PL/SQL procedure successfully completed.

```
SQL> ED
Wrote file afiedt.buf
```

```
1  DECLARE
2  V_Number1 NUMBER := &Number1;
3  V_Number2 NUMBER := &Number2;
4  V_TEMP  NUMBER;
5  BEGIN
6  DBMS_OUTPUT.PUT_LINE('Original V_Number1 = '|| V_NUMBER1);
7  DBMS_OUTPUT.PUT_LINE('Original V_Number2 = '|| V_Number2);
8  IF V_Number1 > V_Number2 THEN
9  V_TEMP := V_Number1;
10 V_Number1 := V_Number2;
11 V_Number2 := V_TEMP;
12 DBMS_OUTPUT.PUT_LINE('Swapped V_Number1 = '|| V_NUMBER1);
13 DBMS_OUTPUT.PUT_LINE('Swapped V_Number2 = '|| V_Number2);
14 END IF;
15 DBMS_OUTPUT.PUT_LINE('Original V_Number1 = '|| V_NUMBER1);
16 DBMS_OUTPUT.PUT_LINE('Original V_Number2 = '|| V_Number2);
17* END;
```

```
SQL> /
Enter value for number1: 5
Enter value for number2: 10
Original V_Number1 = 5
Original V_Number2 = 10
Original V_Number1 = 5
Original V_Number2 = 10
```

PL/SQL procedure successfully completed.

```
SQL>
Enter value for number1: 10
Enter value for number2: 5
Original V_Number1 = 10
Original V_Number2 = 5
Swapped V_Number1 = 5
Swapped V_Number2 = 10
Original V_Number1 = 5
Original V_Number2 = 10
```

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PL/SQL procedure successfully completed.

SQL> ED

Wrote file afiedt.buf

```
1  DECLARE
2  V_Number1 NUMBER := &Number1;
3  V_Number2 NUMBER := &Number2;
4  V_TEMP  NUMBER;
5  BEGIN
6  DBMS_OUTPUT.PUT_LINE('Original V_Number1 = '|| V_NUMBER1);
7  DBMS_OUTPUT.PUT_LINE('Original V_Number2 = '|| V_Number2);
8  IF V_Number1 > V_Number2 THEN
9  V_TEMP := V_Number1;
10 V_Number1 := V_Number2;
11 V_Number2 := V_TEMP;
12 DBMS_OUTPUT.PUT_LINE('Swapped V_Number1 = '|| V_NUMBER1);
13 DBMS_OUTPUT.PUT_LINE('Swapped V_Number2 = '|| V_Number2);
14 END IF;
15* END;
```

SQL> /

Enter value for number1: 10

Enter value for number2: 5

Original V_Number1 = 10

Original V_Number2 = 5

Swapped V_Number1 = 5

Swapped V_Number2 = 10

PL/SQL procedure successfully completed.

SQL> /

Enter value for number1: 5

Enter value for number2: 10

Original V_Number1 = 5

Original V_Number2 = 10

PL/SQL procedure successfully completed.

SQL> ED

Wrote file afiedt.buf

```
1  DECLARE
2  V_Number1 NUMBER := &Number1;
3  V_Number2 NUMBER := &Number2;
4  V_TEMP  NUMBER;
5  BEGIN
6  DBMS_OUTPUT.PUT_LINE('Original V_Number1 = '|| V_NUMBER1);
```

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```
7 DBMS_OUTPUT.PUT_LINE('Original V_Number2 = '|| V_Number2);
8 IF V_Number1 > V_Number2 THEN
9   V_TEMP := V_Number1;
10  V_Number1 := V_Number2;
11  V_Number2 := V_TEMP;
12  DBMS_OUTPUT.PUT_LINE('Swapped V_Number1 = '|| V_NUMBER1);
13  DBMS_OUTPUT.PUT_LINE('Swapped V_Number2 = '|| V_Number2);
14 ELSE
15  DBMS_OUTPUT.PUT_LINE('Original V_Number1 = '|| V_NUMBER1);
16  DBMS_OUTPUT.PUT_LINE('Original V_Number2 = '|| V_Number2);
17 END IF;
18* END;
```

SQL> /

```
Enter value for number1: 5
Enter value for number2: 10
Original V_Number1 = 5
Original V_Number2 = 10
Original V_Number1 = 5
Original V_Number2 = 10
```

PL/SQL procedure successfully completed.

SQL> /

```
Enter value for number1: 10
Enter value for number2: 5
Original V_Number1 = 10
Original V_Number2 = 5
Swapped V_Number1 = 5
Swapped V_Number2 = 10
```

PL/SQL procedure successfully completed.

SQL> cl scr

SQL> ED

Wrote file afledt.buf

```
1 DECLARE
2   V_Num NUMBER := &EnterNumber;
3 BEGIN
4   IF MOD(V_Num,2) = 0 THEN
5     DBMS_OUTPUT.PUT_LINE(V_Num||' is an Even Number.');
```

SQL> /

```
Enter value for enternumber: 8
```

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8 is an Even Number.

PL/SQL procedure successfully completed.

SQL> /

Enter value for enternumber: 7

7 is an Odd Number.

PL/SQL procedure successfully completed.

SQL> /

Enter value for enternumber: NULL

is an Odd Number.

PL/SQL procedure successfully completed.

SQL> ED

Wrote file afiedt.buf

```
1  DECLARE
2  V_Num NUMBER := &EnterNumber;
3  BEGIN
4  IF V_Num IS NULL THEN
5  DBMS_OUTPUT.PUT_LINE('Fatal Error! NULL Encountered Cannot
Proceed');
6  ELSE
7      IF MOD(V_Num,2) = 0 THEN
8      DBMS_OUTPUT.PUT_LINE(V_Num||' is an Even Number.');
```

SQL> /

Enter value for enternumber: 8

8 is an Even Number.

PL/SQL procedure successfully completed.

SQL> /

Enter value for enternumber: 7

7 is an Odd Number.

PL/SQL procedure successfully completed.

SQL> /

Enter value for enternumber: NULL

Fatal Error! NULL Encountered Cannot Proceed

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PL/SQL procedure successfully completed.

SQL> cl scr

SQL> ED

Wrote file afiedt.buf

```
1  DECLARE
2  V_Year NUMBER := &Year;
3  BEGIN
4  IF MOD(V_Year,4) = 0 THEN
5    IF MOD(V_Year,100) <> 0 THEN
6      DBMS_OUTPUT.PUT_LINE(V_Year || ' is a Leap Year');
7    ELSE
8      IF MOD(V_Year,400) = 0 THEN
9        DBMS_OUTPUT.PUT_LINE(V_Year || ' is a Leap Year');
10     ELSE
11       DBMS_OUTPUT.PUT_LINE(V_Year || ' is a not a Leap Year');
12     END IF;
13   END IF;
14   ELSE
15     DBMS_OUTPUT.PUT_LINE(V_Year || ' is a not a Leap Year');
16   END IF;
17* END;
SQL> /
Enter value for year: 2004
2004 is a Leap Year
```

PL/SQL procedure successfully completed.

SQL> /

Enter value for year: 2000
2000 is a Leap Year

PL/SQL procedure successfully completed.

SQL> /

Enter value for year: 2006
2006 is a not a Leap Year

PL/SQL procedure successfully completed.

SQL> /

Enter value for year: 1900
1900 is a not a Leap Year

PL/SQL procedure successfully completed.

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SQL> ED

Wrote file afiedt.buf

```
1  DECLARE
2  V_Year NUMBER := &Year;
3  BEGIN
4  IF MOD(V_Year,4) = 0 THEN
5      IF MOD(V_Year,100) <> 0 THEN
6          DBMS_OUTPUT.PUT_LINE('Flag 1 : Leap Year');
7          DBMS_OUTPUT.PUT_LINE(V_Year || ' is a Leap Year');
8      ELSE
9          IF MOD(V_Year,400) = 0 THEN
10             DBMS_OUTPUT.PUT_LINE('Flag 2 : Leap Year');
11             DBMS_OUTPUT.PUT_LINE(V_Year || ' is a Leap Year');
12         ELSE
13             DBMS_OUTPUT.PUT_LINE('Flag 2 : Not A Leap Year');
14             DBMS_OUTPUT.PUT_LINE(V_Year || ' is a not a Leap Year');
15         END IF;
16     END IF;
17 ELSE
18     DBMS_OUTPUT.PUT_LINE('Flag 1 : Not A Leap Year');
19     DBMS_OUTPUT.PUT_LINE(V_Year || ' is a not a Leap Year');
20 END IF;
21* END;
```

SQL> /

Enter value for year: 2000

Flag 2 : Leap Year

2000 is a Leap Year

PL/SQL procedure successfully completed.

SQL> /

Enter value for year: 2006

Flag 1 : Not A Leap Year

2006 is a not a Leap Year

PL/SQL procedure successfully completed.

SQL> /

Enter value for year: 2008

Flag 1 : Leap Year

2008 is a Leap Year

PL/SQL procedure successfully completed.

SQL> /

Enter value for year: 1900

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Flag 2 : Not A Leap Year
1900 is a not a Leap Year

PL/SQL procedure successfully completed.

SQL> ED
Wrote file afiedt.buf

```
1  DECLARE
2  V_Year NUMBER := &Year;
3  BEGIN
4  IF MOD(V_Year,4) = 0 THEN
5    IF MOD(V_Year,100) <> 0 THEN
6      --DBMS_OUTPUT.PUT_LINE('Flag 1 : Leap Year');
7      DBMS_OUTPUT.PUT_LINE(V_Year || ' is a Leap Year');
8    ELSE
9      IF MOD(V_Year,400) = 0 THEN
10       --DBMS_OUTPUT.PUT_LINE('Flag 2 : Leap Year');
11       DBMS_OUTPUT.PUT_LINE(V_Year || ' is a Leap Year');
12     ELSE
13       --DBMS_OUTPUT.PUT_LINE('Flag 2 : Not A Leap Year');
14       DBMS_OUTPUT.PUT_LINE(V_Year || ' is a not a Leap Year');
15     END IF;
16   END IF;
17 ELSE
18   --DBMS_OUTPUT.PUT_LINE('Flag 1 : Not A Leap Year');
19   DBMS_OUTPUT.PUT_LINE(V_Year || ' is a not a Leap Year');
20 END IF;
21* END;
SQL> SPOOL OFF
```

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